

# [A/D CONVERTER WITH ADJUSTABLE INTERNAL CONNECTION AND METHOD FOR THE SAME OPERATING ]

## Abstract

An A/D converter with adjustable internal connection and a method for operating the same are provided. The A/D converter comprises: a plurality of piezo-transforming devices for detecting an input voltage from the alternating current source and adjusting an connection of input terminals of the plurality of piezo-transforming devices based on the input voltage to obtain an input/output voltage ratio of the plurality of piezo-transforming devices inversely proportional to the input voltage.